

**ABSTRACT**

The present invention relates to a wheel conveyor constructed by installing a wheel assembly, which includes wheels and support plates arranged on both sides and 5 rotatably supporting axles of the wheels, in a groove of a frame material, the wheel conveyor being easily disassembled and cleaned, provided with a damping function, and also provided with a dust-trapping function.

Wheels have axle pins, and support plates are provided 10 with pin holes. A wheel assembly is constructed by inserting the axle pins into the pin holes to be rotatably supported. The cross-sectional shape of a frame material is formed such that first groove-like portions formed integrally with lip portions support the support plates to 15 be movable in the longitudinal direction. Bottom groove-like portions formed integrally with a bottom wall are formed to splay more than the edges of the lip portions. The two groove-like portions are integrally jointed to each other through a joint portion. The support plates of a 20 plurality of the wheel assemblies are inserted along the first groove-like portions of the frame material, and a plurality of the wheels are arranged in line.